

November 5, 1954

Dr. Allan Campbell
WRAMC- FG section
Washington 12, D.C.

Dear Allan:

I thought the best way to reply to your postcard was to send you my only copy of the review paper I wrote for a physiology class almost 10 years ago. I do not believe there was any specific experimental test of a humoral factor in liver regeneration prior to that time. The bibliography here should be fairly complete as of 1945.

In retrospect, I should think that important approaches would still include: 1) a reconsideration of regeneration in the fowl; 2) the role of thyroid and of steroid hormones [especially as some of the latter are known to be inactivated by the liver; and 3) the behavior of liver transplants. I might expect the latter to be the most sensitive index of hepatotropic effects; they might often fail owing to local deficiency of the necessary growth factors (or alternatively by the absence of the means to drain the biliary secretion). At any rate, one should compare the survival of transplants made to regions which some sort of reversed portal supply vs. elsewhere in the body, and if sufficiently inbred lines are available to assure histocompatibility, comparisons of transplants to normal and hepatectomized animals.

Please return this document as soon as convenient; I will be disappointed if it is lost.

How can I advise you about U/M vs. Wash. U. You know the situation at Ann Arbor rather better than I do; Kornberg has, however, built a strong group, and (judging from Bob Demars' as well as my own expectation) earns the respect of his people there. The only adverse comment anyone has suggested is that university research funds are limited and that the preponderance of young men may slow up promotions later. These don't seem to me to be decisive.

It may not be too early to mention to you that Larry Morse will be finishing soon. He has done a splendid job here, and would be a first class acquisition for any department looking for a bacterial geneticist. If you hear of anything (after your own problems are settled) do keep him in mind.

Yours sincerely,

Joshua Lederberg